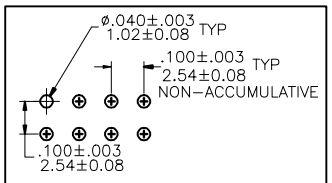
PRODUCT NUMBER

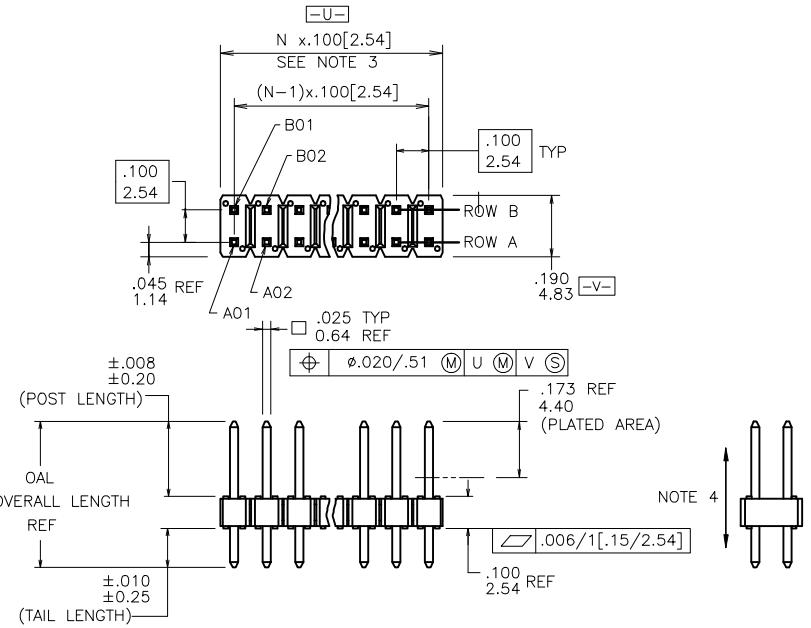
54102 – X XX – XX – XXX X LF

- LF: LEAD FREE, NOTE 12 & 13
- X: RETENTION, R= RETENTIVE LEG, SEE NOTES 5 & 7
- XXX: POLARIZATION SEE NOTES 7 & 8
- XX: BERGSTIK, POSITIONS PER ROW, 01 to 36, SEE NOTE 10
- BERGSTRIP, POSITIONS PER REEL, 00=45,000 (BERGSTRIP), PIN STYLES 6,8,10,30 & 32 ONLY.
- XX: PIN STYLE (see table)
- X: PLATING:
  S=15u"/0.38um GOLD ON CONTACT AREA
  100u"/2.54um TIN ON TAIL (NOTE 16)
  G=30u"/0.76um GOLD ON CONTACT AREA
  100u"/2.54um TIN ON TAIL (NOTE 16)
  T=100–160u"/2.54–4.06um TIN ON CONTACT AREA
  AND ON TAIL (SEE NOTE 11 & 15).

PIN STYLE	POST	TAIL	OAL
05	0.230/5.84	0.095/2.41	0.425/10.80
06	0.230/5.84	0.110/2.79	0.440/11.18
08	0.230/5.84	0.120/3.05	0.450/11.43
10	0.230/5.84	0.150/3.81	0.480/12.19
12	0.230/5.84	0.300/7.62	0.630/16.00
30	0.318/8.08	0.120/3.05	0.538/13.67
32	0.318/8.08	0.150/3.81	0.568/14.43
34	0.318/8.08	0.212/5.38	0.630/16.00



RECOMMENDED HOLE PATTERN



mat'l code				surface	tolerance	projection	product family
SEE NOTES 1 & 2				ISO 1302	ISO 406 ISO 1101		BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
L	M06–0268	MHT	7/17/06	angles	linear .XX±.01/0.3	INCH/MM	.100 UNSHROUDED HDR. D/R THRU HOLE
M	M06–0346	MHT	9/04/06		.XXX±.005/.XX±0.13		
N	M07–0247	AGS	5/28/07	0°±2°	.XXXX±.0020/.XXX±0.051	scale 1:1	
P	M07–0337	MHT	7/23/07	dr D.INGRAM	05/16/99		dwg no 54102 sheet 1 of 2 size A3
R	M08–0237	MHT	8/25/08	engr H.SUNDY	07/21/99		
S	M08–0279	MHT	9/30/08	chr H.SUNDY	07/21/99		
T	M09–0090	MHT	6/19/09	appd H.SUNDY	07/21/99		type Product Customer Drawing
sheet	revision	T	T				
index	sheet	1	2				

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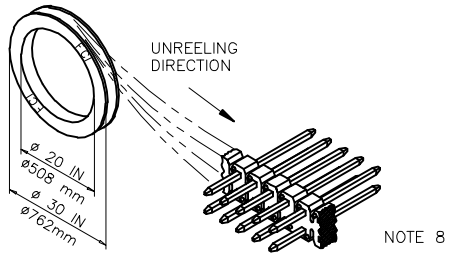
PDM: Rev:T STATUS:Released Printed: Dec 01, 2010

NOTES:

1. BERGSTIK /BERGSTRIP HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
   OR
   MINERAL FILLED LCP FLAME RETARDENT PER UL-94V-0. COLOR: BLACK.
2. PIN MATERIAL: PHOSPHOR-BRONZE
3. TO DETERMINE DIMENSIONS:
   N = NUMBER OF POSITIONS PER ROW. EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
4. 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION
5. RETENTIVE LEG APPLICABLE TO TAIL LENGTH OF .120/3.05 ONLY. RETENTION IS APPLIED TO TWO PINS PER PART, ADJACENT TO ONE ANOTHER. 5lb/2.3kg MAX. INSERTION FORCE AND .25lb/1kg MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARD AND RECOMMENDED HOLE PATTERN. RETENTIVE LOCATION AT THE DEISCRETION OF THE MANUF. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
6. BERGSTIK PACKAGED IN POLY BAGS. BERGSTRIP PACKAGED PER REEL.
7. POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIP.
8. FOR POLARIZATION SPECIFY POSITION NUMBER (i.e.. A03=ROW A POS. 3) TO OMIT PIN. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
9. UNDERPLATING: 50µ"/1.27µm Ni.
10. POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED, BUT FLATNESS AND CURVATURE MAY NOT BE HELD TO PRINT SPECIFICATION.
11. PIN TIPS ON TIN PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.
12. PART NUMBERS WITH "LF" AT THE END ARE LEAD FREE.
13. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
14. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE OR FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm MINIMUM THICK CIRCUIT BOARD.
15. "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."
16. PLATING OPTIONS:
    MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

Cross Reference

CORE RANGE	EXTENDED RANGE
77313-101-XXLF	54102-G05XXLF
77313-801-XXLF	54102-S05XXLF
77313-118-XXLF	54102-G08XXLF
77313-818-XXLF	54102-S08XXLF



VERTICAL HEADER REEL PACKAGING DIMENSIONS

mat'l code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection	product family: BERGSTIK				
ltr	ecn no	dr	date	tolerances unless otherwise specified					title: .100 UNSHROUDED HDR. D/R THRU HOLE				
T				angles	linear	.XX±.01/0.3		INCH/MM					
				0°±2°		.XXX±.005/0.13							
						.XXXX±.0020/0.051		scale 1:1					
				dr	D.INGRAM	05/16/99			dwg no: 54102	sheet 2 of 2	size A3		
				engr	H.SUNDY	07/21/99							
				chr	H.SUNDY	07/21/99							
				appd	H.SUNDY	07/21/99			type: Product Customer Drawing				
sheet index	revision sheet												

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PDM: Rev:T STATUS:Released Printed: Dec 01, 2010

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